

CONTRACT INSPECTION REPORT			CONTRACT NO. 		TASK NO. 		
TO:			25X1				
			INSPECTION REPORT NO. (If final, so state)				
			ESTIMATED COMPLETION DATE <div style="text-align:right">15 September 1960</div>				
NAME OF CONTRACTOR <div style="text-align:center">Cornius Glass Works</div>							
TYPE OF COMMODITY OR SERVICE <div style="text-align:center">Improved Rear Protection Screens</div>							
THE CONTRACTOR IS ON SCHEDULE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.				
PER CENT OF WORK COMPLETED - 40% PER CENT OF FUNDS EXPENDED - Unknown							
HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (If yes, give details on reverse side.)							
HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, indicate items, quantity, and cost on reverse side.)							
INCENTIVES							
IS THIS AN INCENTIVE CONTRACT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, CHECK TYPE <input type="checkbox"/> COST <input type="checkbox"/> AWARD FEE <input type="checkbox"/> PERFORMANCE <input type="checkbox"/> DELIVERY			NOTE: USE REVERSE SIDE FOR COMMENTS. FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.				
OVERALL PERFORMANCE OF CONTRACTOR							
1. <input type="checkbox"/> OUTSTANDING 4. <input type="checkbox"/> ABOVE AVERAGE 7. <input type="checkbox"/> UNSATISFACTORY 2. <input type="checkbox"/> EXCELLENT 5. <input checked="" type="checkbox"/> AVERAGE 3. <input type="checkbox"/> VERY GOOD 6. <input type="checkbox"/> MINIMUM ACCEPTABLE IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR MINIMUM ACCEPTABLE INDICATE REASONS ON REVERSE SIDE.							
RECOMMENDED ACTION							
<input checked="" type="checkbox"/> CONTINUE AS PROGRAMMED <input type="checkbox"/> WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE <input type="checkbox"/> CLOSE OUT <input type="checkbox"/> OTHER (Specify)							
IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:							
ITEM		REC'D	DOES NOT APPLY	ITEM		REC'D	DOES NOT APPLY
PROTOTYPES				MANUALS			
DRAWINGS AND SPECIFICATIONS				FINAL REPORT			
PRODUCTION AND/OR OTHER END ITEMS				SPECIAL TOOLING			
				OTHER GOVERNMENT PROPERTY			
DATE OF LAST CONTACT WITH CONTRACTOR <div style="text-align:center">22 January 1960</div>							
SI <div style="border:1px solid black; width:100%; height:100%;"></div>				25X1 <div style="border:1px solid black; width:100%; height:100%;"></div>			
IN <div style="border:1px solid black; width:100%; height:100%;"></div>							

NARRATIVE REPORT

☐ INTERIM☐ FINAL

Considerable progress has been made by the Contractor during this reporting period. Monthly technical reports through 3 January 1969 have been received.

As noted in the previous report, a 'Best Course-of-Action' has been mutually formulated and approved by the Contracting Officer's Technical Representative (Inspector). This consists basically of three elements:

a. Corning will make 12" X 15" samples of two or three of the best discrest particle screens developed under the previous contract (re: Contract [redacted] including variations of each screen, i.e., with and without anti-reflection coating, with and without substrate darkening, etc. These samples will then be used in a subjective test program at HPIC to be conducted under the Imagery Exploitation Research Program. A target delivery date to HPIC is 1 March 1969.

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b. Concurrent with and subsequent to delivery of the sample screens, Corning will pursue development of a lenticular screen. This screen will be constructed to as large dimensions as practicable but in no case will it be less than 4" X 4". Subjective tests will also be conducted at HPIC using this screen.

c. Based on the subjective tests of the sample discrest particle screens, as described in paragraph a. above, a selection of the best screen for production in a 30" X 30" size will be made. It is anticipated that this screen will have characteristics superior to those of any screen presently available commercially. However, production of this 30" X 30" screen will be held in abeyance pending a determination of the feasibility of developing a lenticular screen having still better characteristics. During the development of the lenticular screen, Corning will monitor the funds available under the present contract and will advise us when only sufficient funds remain to produce the 30" X 30" screen mentioned above. At that time, we will decide whether to accept the 30" X 30" screen or use the remaining funds on the continued development of a lenticular screen. (Relative to this decision, it should be noted that a change in the contract will probably be necessary if we elect not to accept the 30" X 30" screen.)

The plate glass for the 12" X 15" sample screens has been received from the vendor and a portion of them has been sent to Optical Coating Laboratories, Inc. for various coatings. Return of these coated plates to Corning is expected momentarily. Production of these samples is considered to be on schedule.

Theoretical investigation of the lenticular screen is continuing. Latest thoughts favor the use of a combination of plastic and glass. A visit has been made by the Corning personnel and the Inspector to [redacted] (a plastic fabricator) and a proposal from Helms to Corning for a sub-contract is expected in the near future. Corning has been notified that such a sub-contract requires the Contracting Officer's approval and must be accomplished with funds from the present contract.

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NPIC/TSSG/DED-1495-69

5 February 1969

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report - [REDACTED]

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1. On Tuesday, 28 January 1969, in company with [REDACTED]
 [REDACTED] of the Corning Glass Works. I visited [REDACTED]
 [REDACTED] The
 persons contacted at this company were [REDACTED]
 President and Vice-President respectively.

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2. The purpose of this visit was to discuss the feasibility of manufacturing plastic sheet with parallel lenticular cylindrical elements having a diameter of 1 to 3 microns (0.001 to 0.003 millimeters). Such sheets, if attainable, would be used by Corning in manufacturing a prototype lenticular rear projection screen as part of their effort to produce an improved rear projection screen material (re: [REDACTED])

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3. [REDACTED] advised that his company was presently producing lenticular cylindrical sheet plastic with elements having a diameter of 10 microns (for use in making 3-dimensional photographic displays as well as raincoats, shower curtains, etc.). He stated that achievement of 5 micron elements was within the state-of-the-art but he could not predict whether smaller elements could be made. The limiting factor in the process was the ability to make a properly shaped diamond tipped bit for use in machining the required metal rollers used in the combined rolling-extrusion process to manufacture the plastic sheet.

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4. After discussion of contractual details between the Corning and [REDACTED] personnel, it was agreed that [REDACTED] would submit a proposal to Corning within approximately two weeks.

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